CLAIMS

What is claimed is:

1. A method comprising:

registering with a broker;

transmitting metadata, to said broker, describing at least one of communication proxies, supported protocols, service, and proxy locations; and

interacting with a client by exchanging information with a communication proxy specified by said client.

2. The method as in claim 1, wherein interacting comprises:

exchanging information with a communication proxy at a node local to said client.

3. The method as in claim 1, wherein describing comprises:

specifying at least one of Java, common language runtime (CLR), component object model (COM), and Win32 binaries.

4. The method as in claim 1, wherein describing comprises:

specifying at least one of hypertext transfer protocol (HTTP), simple mail transfer protocol (SMTP), simple object access protocol (SOAP), secure sockets layer (SSL/HTTPS), and secure HTTP (S-HTTP).

5. The method as in claim 1, wherein transmitting metadata comprises:

sending one of extensible markup language (XML), hypertext markup language (html), text file, and binary.

6. A method comprising:

requesting a desired Internet service, by a client, to a broker, including a desired communication proxy and, optionally, a desired application-level protocol;

receiving metadata from said broker;

receiving said desired communication proxy; and

interacting with an Internet service using said desired communication proxy.

7. The method as in claim 6, wherein receiving said desired communication proxy comprises:

downloading said desired communication proxy to a node local to said client.

8. The method as in claim 6, wherein interacting is accomplished at runtime.

9. The method as in claim 6, wherein interacting comprises:

dynamic interacting.

10. The method as in claim 6, wherein receiving metadata comprises:

obtaining one of extensible markup language (XML), hyper text markup language (html), text file, and binary.

11. The method as in claim 6, wherein interacting comprises:

utilizing one of Java, common language runtime (CLR), component object model (COM), and Win32 binaries.

12. The method as in claim 6, wherein interacting comprises:

utilizing one of hypertext transfer protocol (HTTP), simple mail transfer protocol (SMTP), simple object access protocol (SOAP), secure sockets layer (SSL/HTTPS), and secure HTTP (S-HTTP).

13. A method comprising:

receiving an Internet service registration that includes metadata;

receiving a request to locate a client-desired Internet service having a client-specified communication proxy;

matching said request with said Internet service registration; and

transmitting said metadata to a client.

14. The method as in claim 13, wherein receiving said metadata comprises:

obtaining descriptions of at least one of communication proxies, supported protocols, service, and proxy locations.

15. The method as in claim 13, wherein receiving said metadata comprises:

obtaining one of extensible markup language (XML), hypertext markup language (html), text file, and binary.

16. The method as in claim 14, wherein receiving descriptions comprises:

obtaining descriptions of at least one of Java, common language runtime (CLR), component object model (COM), and Win32 binaries; and at least one of hypertext transfer protocol (HTTP), simple mail transfer protocol (SMTP), simple object access protocol (SOAP), secure sockets layer (SSL/HTTPS), and secure HTTP (S-HTTP).

17. A machine readable medium having instructions which when executed by a machine cause said machine to perform operations comprising:

requesting a desired Internet service, to a broker, including a desired communication proxy;

receiving metadata from said broker;

receiving said desired communication proxy

interacting with an Internet service using said desired communication proxy.

18. The machine readable medium as in claim 17, wherein receiving said desired communication proxy comprises:

downloading said desired communication proxy to a node local to a client.

19. The machine readable medium as in claim 17, wherein interacting is accomplished at runtime.

20. The machine readable medium as in claim 17, wherein interacting comprises:

dynamic interacting.